RAW SEQUENCE LISTING DATE: 09/26/2000
PATENT APPLICATION: US/09/300,425B TIME: 15:11:05

ENTERED

Input Set : A:\Sch17331.app
Output Set: N:\CRF3\09262000\I300425B.raw


```
  3 <110> APPLICANT: NERI, Dario
  4       TARLI, Lorenzo
  5       VITI, Francesca
  6       BIRCHLER, Manfred
  8 <120> TITLE OF INVENTION: SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES
  9       CONTAINING THEM AND THERAPEUTIC METHOD FOR TREATMENT OF
 10       ANGIOGENESIS
 12 <130> FILE REFERENCE: SCH-1733P1
 14 <140> CURRENT APPLICATION NUMBER: 09/300,425B
 15 <141> CURRENT FILING DATE: 1999-04-28
 17 <150> PRIOR APPLICATION NUMBER: 09/075,338
 18 <151> PRIOR FILING DATE: 1998-05-11
 20 <160> NUMBER OF SEQ ID NOS: 34
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
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 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: "n" at various positions throughout the sequence
 46       represent a, t, c, g, other or unknown
 48 <400> SEQUENCE: 2
W--> 49 gagcctggcg gacccagctc atmnnmnnnm ngctaaaggt gaatccagag gctg       54
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 23
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
 60 <400> SEQUENCE: 3
 61 atgagctggg tccgccaggc tcc                                           23
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 60
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial Sequence
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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     72 <220> FEATURE:
     73 <223> OTHER INFORMATION: "n" at various positions throughout the sequence
     74       represent a, t, c, g, other or unknown
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     81 <211> LENGTH: 24
     82 <212> TYPE: DNA
     83 <213> ORGANISM: Artificial Sequence
     85 <220> FEATURE:
     86 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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     89 acatactacg cagactccgt gaag                                          24
     92 <210> SEQ ID NO: 6
     93 <211> LENGTH: 53
     94 <212> TYPE: DNA
     95 <213> ORGANISM: Artificial Sequence
     97 <220> FEATURE:
     98 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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    104 <210> SEQ ID NO: 7
    105 <211> LENGTH: 47
    106 <212> TYPE: DNA
    107 <213> ORGANISM: Artificial Sequence
    109 <220> FEATURE:
    110 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
    112 <220> FEATURE:
    113 <223> OTHER INFORMATION: "n" at various positions throughout the sequence
    114       represent a, t, c, g, other or unknown
    116 <400> SEQUENCE: 7
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    120 <210> SEQ ID NO: 8
    121 <211> LENGTH: 23
    122 <212> TYPE: DNA
    123 <213> ORGANISM: Artificial Sequence
    125 <220> FEATURE:
    126 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
    128 <400> SEQUENCE: 8
    129 ttagcctggt accagcagaa acc                                           23
    132 <210> SEQ ID NO: 9
    133 <211> LENGTH: 46
    134 <212> TYPE: DNA
    135 <213> ORGANISM: Artificial Sequence
    137 <220> FEATURE:
    138 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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    141 <223> OTHER INFORMATION: "n" at various positions throughout the sequence
    142       represent a, t, c, g, other or unknown
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144 <400> SEQUENCE: 9
W--> 145 gccagtggcc ctgctggatg cmnnatagat gaggagcctg ggagcc 46
148 <210> SEQ ID NO: 10
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150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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157 gcatccagca gggccactgg c 21
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 45
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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169 gcggcccagc atgccatggc cgaggtgcag ctgttggagt ctggg 45
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 55
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
180 <220> FEATURE:
181 <223> OTHER INFORMATION: "n" at various positions throughout the sequence
182 represent a, t, c, g, other or unknown
184 <400> SEQUENCE: 12
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188 <210> SEQ ID NO: 13
189 <211> LENGTH: 24
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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197 gcggcccagc atgccatggc cgag 24
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201 <211> LENGTH: 66
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203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
208 <400> SEQUENCE: 14
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210 gtagtc 66
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 62
215 <212> TYPE: DNA

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218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
221 <400> SEQUENCE: 15
222 gatgggtcca gtggcggtag cgggggcgcg tcgactggcg aaattgtgtt gacgcagtct 60
223 cc                                                                62
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 63
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
234 <220> FEATURE:
235 <223> OTHER INFORMATION: "n" at various positions throughout the sequence
236       represent a, t, c, g, other or unknown
238 <400> SEQUENCE: 16
W--> 239 caccttggtc ccttggccga acgtmnncgg mnnmnnaccm nnctgctgac agtaatacac 60
240 tgc                                                                63
243 <210> SEQ ID NO: 17
244 <211> LENGTH: 56
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
251 <400> SEQUENCE: 17
252 gagtcattct cgacttgcgg ccgctttgat ttccaccttg gtcccttggc cgaacg      56
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 24
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
263 <400> SEQUENCE: 18
264 gatgggtcca gtggcggtag cggg                                        24
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268 <211> LENGTH: 116
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: H antibody specific
274       for ED-B domain of fibronectin
276 <400> SEQUENCE: 19
277 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
278   1               5                  10                  15
280 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
281              20                  25                  30
283 Ser Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
284          35                  40                  45
286 Ser Ser Ile Ser Gly Ser Ser Gly Thr Thr Tyr Tyr Ala Asp Ser Val
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```
287      50                  55                  60
289 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
290  65                  70                  75                  80
292 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
293                  85                  90                  95
295 Ala Lys Pro Phe Pro Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
296             100                 105                 110
298 Thr Val Ser Ser
299         115
302 <210> SEQ ID NO: 20
303 <211> LENGTH: 14
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: antibody linker
310 <400> SEQUENCE: 20
311 Gly Asp Gly Ser Ser Gly Gly Ser Gly Gly Ala Ser Thr Gly
312   1               5                  10
315 <210> SEQ ID NO: 21
316 <211> LENGTH: 108
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: VL antibody
322       specific for ED-B domain of fibronectin
324 <400> SEQUENCE: 21
325 Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
326   1               5                  10                  15
328 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
329              20                  25                  30
331 Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
332          35                  40                  45
334 Ile Tyr Tyr Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
335      50                  55                  60
337 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
338  65                  70                  75                  80
340 Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Thr Gly Arg Ile Pro
341                  85                  90                  95
343 Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
344             100                 105
347 <210> SEQ ID NO: 22
348 <211> LENGTH: 16
349 <212> TYPE: PRT
350 <213> ORGANISM: Artificial Sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide formula
355 <400> SEQUENCE: 22
356 Glu Gly Ile Pro Ile Phe Glu Asp Phe Val Asp Ser Ser Val Gly Tyr
357   1               5                  10                  15
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VERIFICATION SUMMARY DATE: 09/26/2000
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Input Set : A:\Sch17331.app
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L:49 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:49 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:49 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:77 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:77 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:77 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
L:117 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:117 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:117 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
L:145 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:145 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:145 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:185 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12
L:185 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:185 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:239 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:16
L:239 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:239 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16